

A Report on

International Academic Interaction and Scientific Awareness Programme through MITs Community Radio 90.8: An Expert Interaction with Researchers from the National Autonomous University of Mexico (UNAM)

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Introduction

MITs Community Radio 90.8 organized a special guest interview on **9 July 2026** as part of its efforts to promote academic interaction, scientific awareness and knowledge dissemination among students and the wider community. The programme featured distinguished guests associated with the **National Autonomous University of Mexico (UNAM)**, including Dr. Hidalgo, Director of the Institute of Physics, and Dr. Mohan, a researcher and leader of the Material Science Group.

The programme provided an opportunity for students and listeners to gain exposure to international research practices, scientific thinking, material science, physics, astrophysics, cosmology and interdisciplinary research. The interaction also highlighted the importance of



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international academic relationships and future collaboration between MITS and UNAM. The interview was initiated by **Dr. Sudhakar Beedam, Head of the Department of English**, who facilitated the interaction as an interviewer.

Purpose of the Programme

The programme was conducted with the following broad purposes:

- To provide students with exposure to international researchers.
- To create awareness about contemporary scientific research.
- To encourage students to pursue higher education and research.
- To promote international academic collaboration.
- To use community radio as a medium for knowledge dissemination.
- To motivate students towards continuous learning and scientific inquiry. **International Academic Interaction**

Interaction with International Experts

The interaction became an important academic milestone for MITS as it facilitated direct engagement with researchers from UNAM. Dr. Hidalgo expressed appreciation for the hospitality extended by MITS and highlighted the importance of establishing relationships and friendships between institutions. He also described the visit as an important step towards the internationalization of UNAM and expressed openness to future collaboration.

The interaction therefore extended beyond a routine guest interview. It created a platform for:

- International knowledge exchange
- Academic networking
- Research collaboration
- Student exposure to global scientific practices
- Institutional internationalization

The presence of an international expert through MITS Community Radio also demonstrated the potential of community radio to bring global academic perspectives closer to students and the local community.

Scientific Knowledge and Research Exposure

Overview of Research Areas

One of the significant components of the interview was the discussion on research activities

undertaken at the Institute of Physical Sciences. Dr. Hidalgo explained that research at the institute covers several areas of physical sciences, including **material science, biophysics, dynamical systems, information theory, mathematical physics, nonlinear optics, atomic physics, molecular physics, plasma physics, astrophysics and cosmology.**

The discussion provided students with an understanding that modern scientific research is multidisciplinary and involves connections among different branches of science and technology.



Particular emphasis was placed on:

Material Science

Research and innovation in materials and their applications.

Biophysics

Research involving biological systems, drug development and simulations.

Dynamical Systems

Precision measurements, error theory and applications related to trajectories and celestial mechanics.

Astrophysics and Cosmology

Research into the universe, its origin and large-scale scientific questions. This exposure can encourage students from engineering, management, computer applications and other disciplines to explore interdisciplinary research opportunities.



Radio, Science Communication and Scientific Curiosity

Science Communication through Community Radio

An interesting dimension of the programme was the connection established between **radio communication and scientific concepts**. The discussion referred to the historical development of radio communication and the transmission of electromagnetic signals into space.

The expert explained how radio signals travel through space and used this concept to create curiosity about humanity's communication with the wider universe. The discussion also touched upon questions concerning extraterrestrial life, the limitations of communication across astronomical distances and humanity's understanding of the universe.

This segment demonstrated how community radio can transform complex scientific concepts into accessible discussions for students and general listeners.

Importance of the Activity

The programme:

- Promoted scientific curiosity.
- Encouraged questioning and critical thinking.
- Connected scientific concepts with everyday communication technology.
- Made advanced scientific subjects accessible to a broader audience.
- Demonstrated the educational potential of community radio.

Student Motivation and Career Guidance

Message to Students

A major focus of the interview was the message delivered to students regarding education, research and personal development. The expert emphasized the importance of seeking truth through **study, reading, learning and making inferences from available knowledge resources**. He highlighted that students today have access not only to books but also to videos, MOOCs and other digital learning resources.

The interaction encouraged students to:

1. Develop a habit of continuous learning.
2. Read extensively and explore multiple sources of knowledge.
3. Use digital learning resources effectively.
4. Develop curiosity towards research.
5. Think beyond conventional boundaries.



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The concluding message emphasized that education and scientific knowledge should ultimately contribute to becoming **better individuals and useful members of society**.

Conclusion

The international guest interview conducted through **MITS Community Radio 90.8 on 9 July 2026** was a valuable academic and knowledge-sharing initiative. The programme brought international scientific perspectives to the MITS community and created an engaging platform for discussing research, innovation, astrophysics, cosmology, communication and the role of education in human development. The interaction with researchers from UNAM also strengthened the spirit of international academic engagement. The openness expressed towards future collaboration provides an encouraging foundation for further academic and research interactions. The programme demonstrated that community radio can function not merely as an entertainment or information medium but also as an effective **academic outreach and science communication platform**. By connecting students and listeners with international experts, MITS Community Radio 90.8 contributes to creating a culture of curiosity, learning, research and social responsibility.

Key Outcomes of the Programme

Outcome 1 – Enhanced Scientific Awareness

Students and listeners gained exposure to contemporary areas of scientific research, including material science, biophysics, astrophysics, cosmology, nonlinear optics and plasma physics.

Outcome 2 – Increased International Academic Exposure

The programme provided students with direct exposure to international researchers and created awareness of opportunities for global academic interaction and future collaboration. Dr. Hidalgo specifically expressed openness to collaboration with MITS.

Outcome 3 – Improved Learning and Research Orientation

The interaction motivated students to pursue continuous learning through books, MOOCs, videos and other knowledge resources and encouraged them to develop research-oriented thinking.

Outcome 4 – Strengthened Science Communication through Community Radio

MITS Community Radio 90.8 served as an effective platform for disseminating international scientific knowledge and making complex scientific topics accessible to students and listeners



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Primary SDG Alignment

SDG 4 – Quality Education should be considered the primary SDG, as the central purpose of the activity was knowledge dissemination, scientific awareness and student learning.

Secondary SDGs: SDG 9 and SDG 17, with SDG 10 as a supporting alignment.